2   PATENT
                                       AMENDMENT

Amendments to the Claims

Please cancel claims 1-7 and 13-19. The currently pending claims after amendment are listed below.

1   1 - 7. (Cancelled)

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3 PATENT
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1   8.   (Currently Amended)   A method for compiling computer programming code, comprising

2 the steps of:

3   generating a compilable source module, said source module containing a plurality of

4 discrete component portions;

5   generating debug activity data with respect to said compilable source module; and

6   compiling said compilable source module with an automated compiler, wherein said

7 compiling step comprises the following steps performed by said automated compiler:

8   (a) making a plurality of selective optimization determinations with respect to said

9 compilable source module using said debug activity data; and

10   (b) ~~performing at least one respective optimization step responsive to each said~~

11 ~~selective optimization determination~~ with respect to at least one discrete component

12 portion of a first subset of said plurality of discrete component portions, said first subset

13 containing one or more discrete component portions for which said making a plurality of

14 selective optimization determinations step determined to optimize the respective discrete

15 component portion, performing at least one optimization upon the respective discrete

16 component portion responsive to said making a plurality of selection optimization

17 determinations step; and

18   (c) with respect to at least one discrete component portion of a second subset of said

19 plurality of discrete component portions, said second subset containing one or more

20 discrete component portions for which said making a plurality of selective optimization

21 determinations step determined not to optimize the respective discrete component portion,

22 compiling the respective discrete component portion without performing at least one

23 optimization which said automated compiler has the capability to automatically perform on

24 the respective discrete component portion.

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1   9.   (Original)   The method for compiling computer programming code of claim 8, wherein

2   said debug activity data comprises a plurality of counters, each counter being incremented upon

3   the occurrence of a corresponding debug event.

1   10.   (Original)   The method for compiling computer programming code of claim 10, wherein

2   each counter is incremented upon the occurrence of a corresponding debug event by an amount

3   derived from a user weighting factor associated with a user on whose behalf the debug event

4   occurs.

1   11.   (Original)   The method for compiling computer programming code of claim 10, wherein

2   said debug activity data comprises a plurality of break-point counters, each break-point counter

3   corresponding to a respective portion of said compilable source module, each break-point counter

4   being incremented upon the occurrence of a break point triggered within the corresponding

5   respective portion of said compilable source module.

1   12.   (Original)   The method for compiling computer programming code of claim 10, wherein

2   said debug activity data comprises a plurality of variable visualization counters, each variable

3   visualization counter corresponding to a respective variable used in said compilable source

4   module, each variable visualization counter being incremented upon the occurrence of a user

5   directed visualization of the corresponding variable during debug activity..

13-19.   (Cancelled)

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